Public

P375 – Asset Metering

Work Group Meeting six

6 November 2019

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Health & Safety

In case of an emergency

An alarm will sound to alert you. The alarm is tested for fifteen seconds every Wednesday at 9.20am

Evacuating 350 Euston Road

- If you discover a fire, operate one of the fire alarms next to the four emergency exits.
- Please do not tackle a fire yourself.
- If you hear the alarm, please leave the building immediately.
- Evacuate by the nearest signposted fire exit and walk to the assembly point.
- Please remain with a member of ELEXON staff and await further instructions from a Fire Warden.
- For visitors unable to use stairs, a Fire Warden will guide you to a refuge point and let the fire brigade know where you are.

When evacuating please remember

- Do not use the lifts.
- Do not re-enter the building until the all clear has been given by the Fire Warden or ground floor security.

Our team on reception is here to help you, if you have any questions, please do ask them.

Objectives

- Update on Impact Assessment progression
- Finalise outstanding issues
- Discuss alignment with other Modifications

Agenda

Item	Presenter
Update on solution	Chris Wood
Impact Assessment update	Damian Clough
Alternative MOA	Roan Chavez and Chris Wood
Switching AMSIDs between VLPs	Damian Clough
Impact on other Modifications – P379 and P376	Peter Frampton and Damian Clough
Lunch	
Primary BM Units and AMSIDs	Damian Clough
Consultation Questions	Chris Wood
Any other business	Chair
Next steps	Chris Wood

Solution to date

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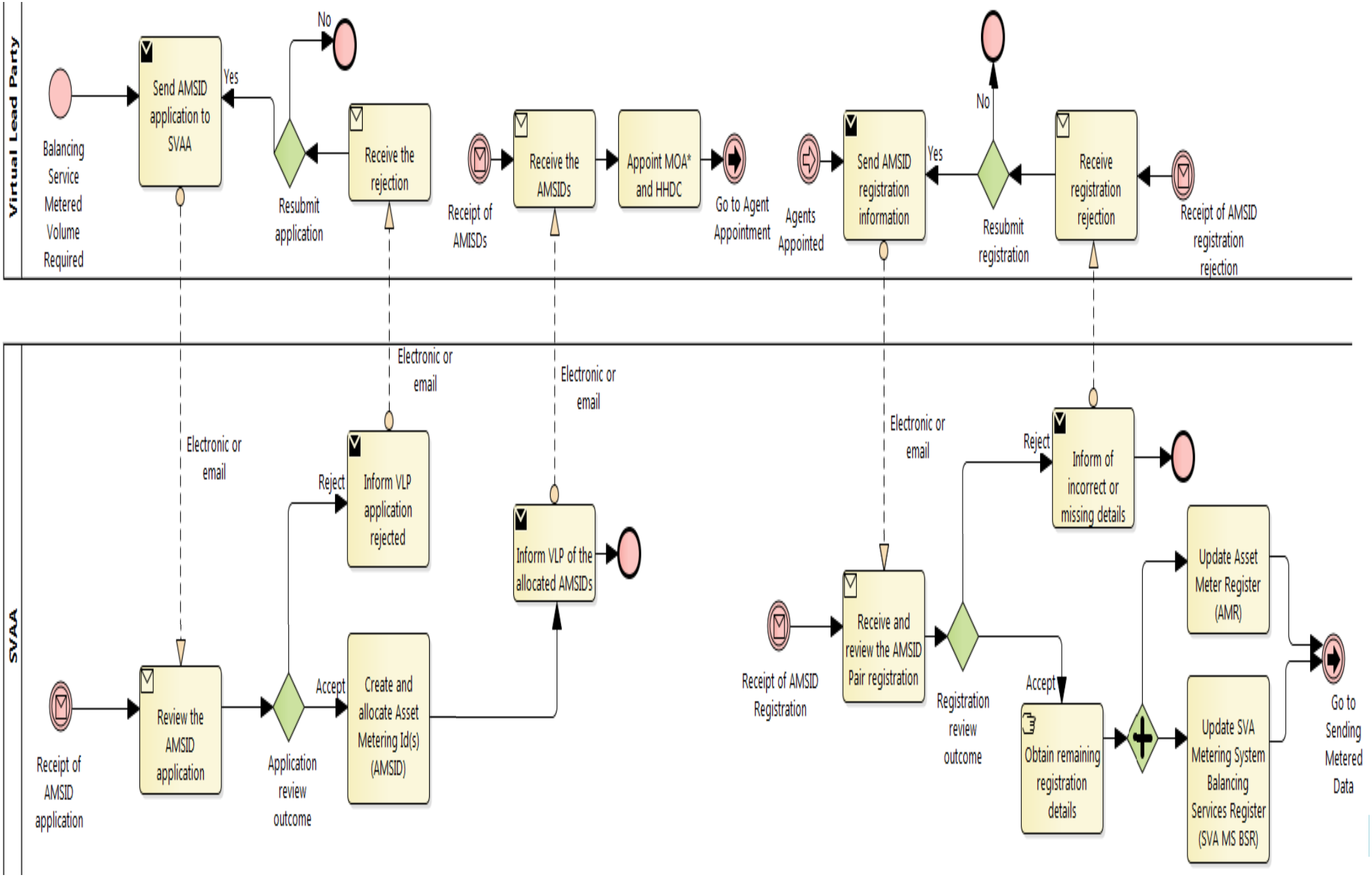
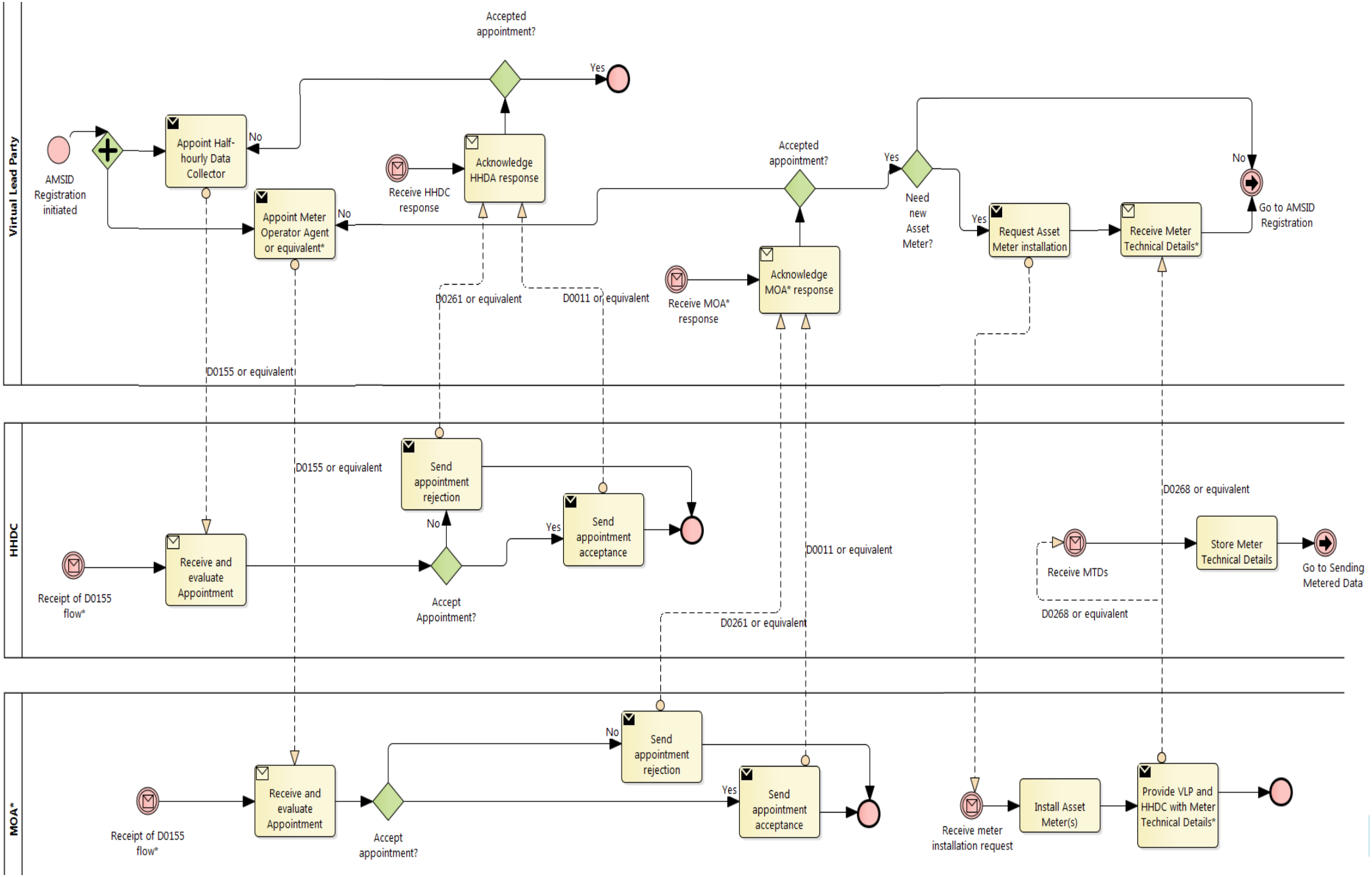
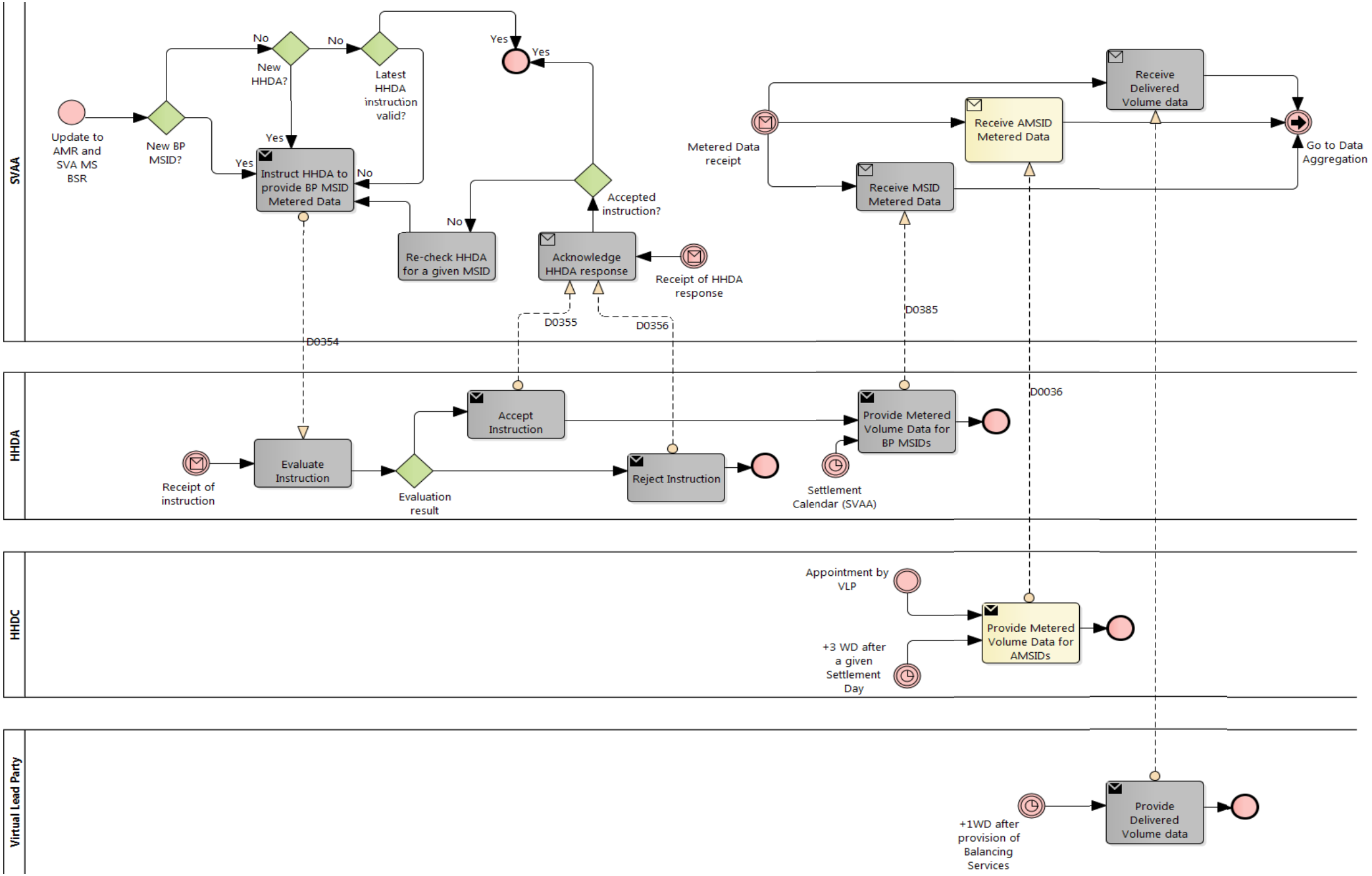
Registration



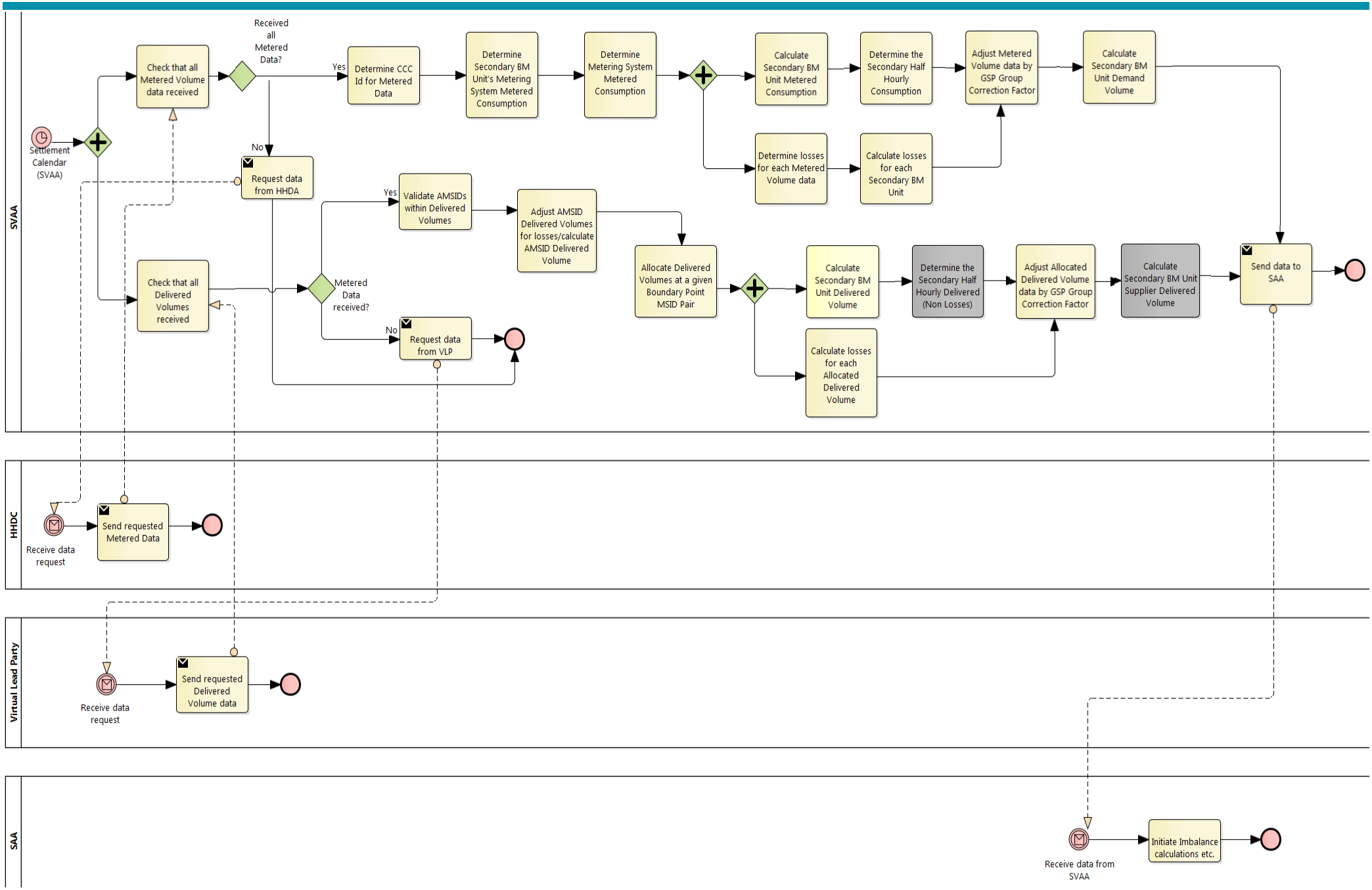
Agent appointment



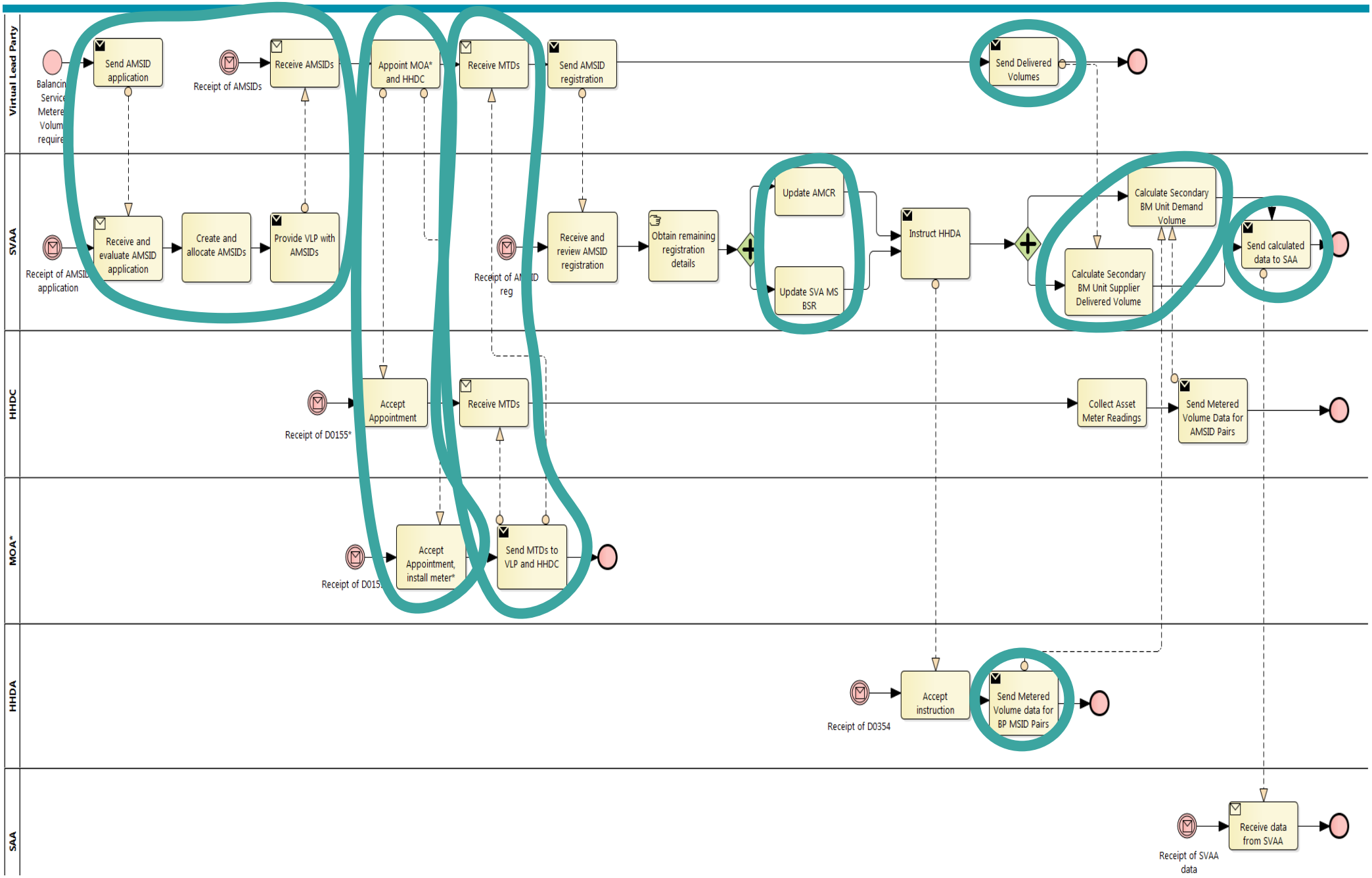
Sending metered data



Data aggregation



High level overview



Impact assessment update

Damian Clough

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Alternative Meter Operator Agent

Roan Chavez and Chris Wood

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SVA Qualification overview

Performance Assurance Framework

Qualification

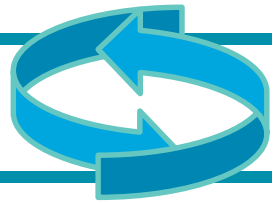
QSP/ELEXON timelines

Self Assessment Document

Witness Testing

PAB approval

Self Assessment Document



Iterative Process

- The SAD is split into 19 sections.
  - Suppliers are only required to complete Sections 1 to 7 and Section 18

Generic Sections
1. Introduction
2. Project Management
3. Testing
4. Operational Security and Controls
5. Change Management and Risk Assessment Process
6. Management, Resource Planning and Local Working Procedures
7. Initial Data Population and/or Data Migration

Specific Sections
8. NHH DC
9. HHDC
10. NHHDA
11. HHDA
12. SMRA
13. SVA HHMOA
14. SVA NHHMOA
15. CVA MOA
16. Meter Administrator
17. UMSO
18. Supplier
19. Virtual Lead Party

SAD Sample Question Format

Question

Response

3.2.5 How are you able to demonstrate that all planned testing has been completed?	Evidence of completion is expected to include a test completion report. Where planned testing has not been completed an explanation as to why this has been the case should be provided within the supporting evidence. It is anticipated that all high severity faults will have been cleared and this should be confirmed within any test completion report provided.		

Guidance & Requirements

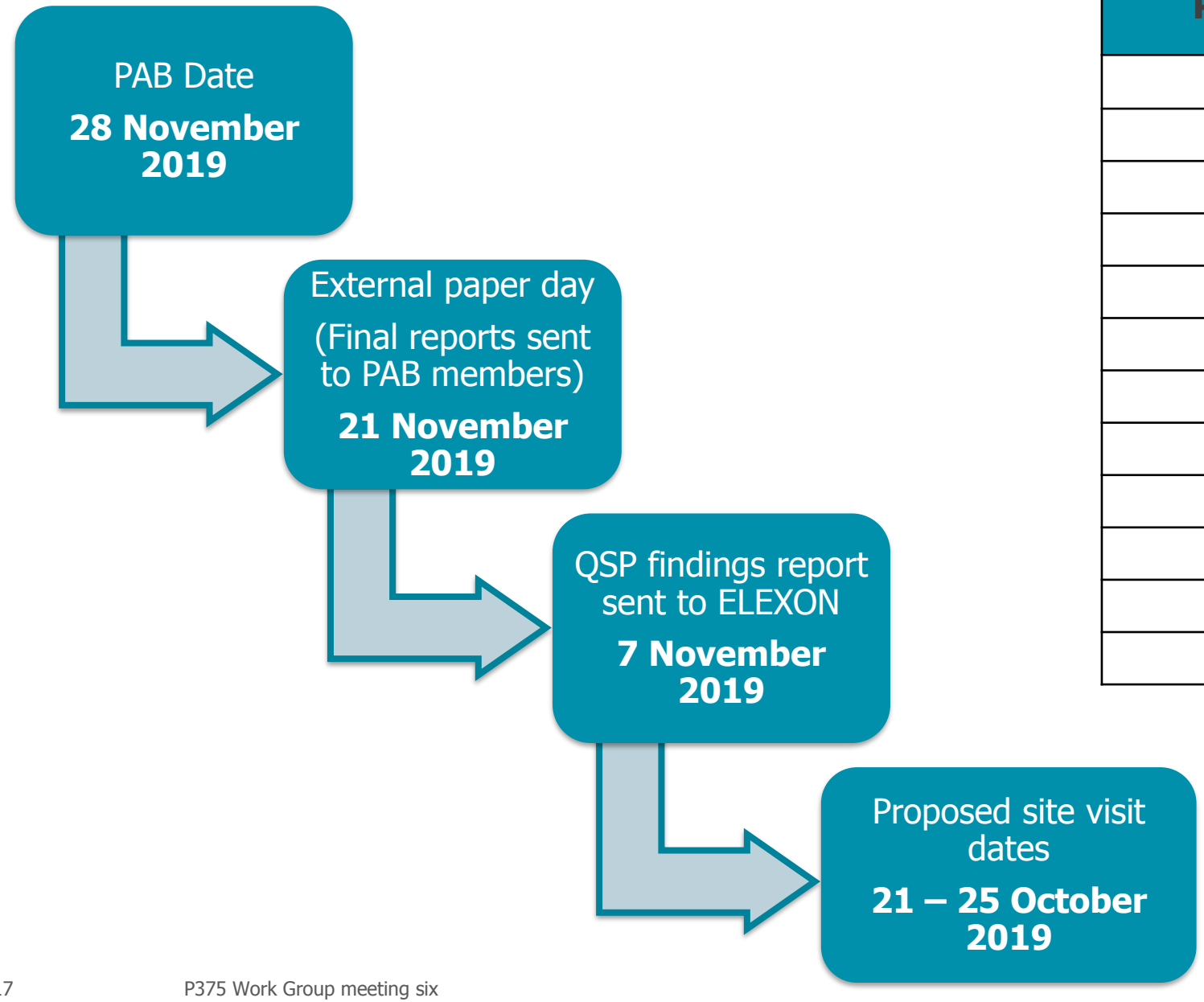
Evidence

Witness Testing

- Following review of the SAD the QSP provides an outline (scope) of the tests to be witnessed in advance of the actual site visit
- The aim of witness testing is to test that the approach has been followed and tests have been fully completed and exceptions resolved
- Sample basis
- This involves the QSP team sitting alongside an Applicant's tester/user and watching them execute a sample of tests in real-time
- Duration varies dependent on risk. Generally lasts between 1-2 days to 2 weeks.

PAB approval and timelines

- Example reporting timeline



PAB Dates	Meeting Number
31 Jan 2019	216
28 Feb 2019	217
28 Mar 2019	218
25 Apr 2019	219
30 May 2019	220
27 Jun 2019	221
25 Jul 2019	222
29 Aug 2019	223
26 Sep 2019	224
31 Oct 2019	225
28 Nov 2019	226
19 Dec 2019	227

Market Domain Data Registration

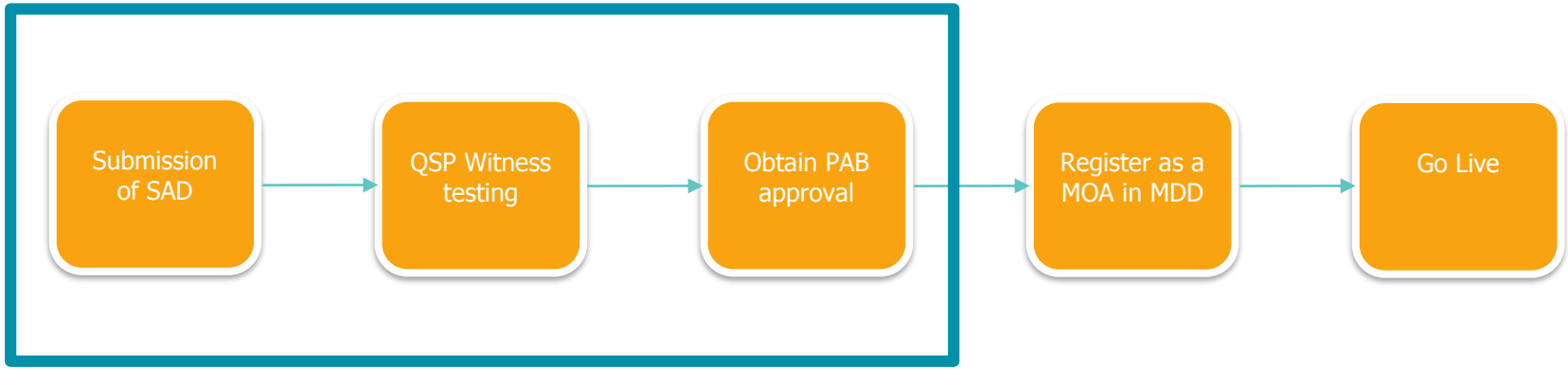
All MOAs will need to register in MDD once they receive PAB approval by completing BSCP509

The following data items are required to be set up in MDD

- Market Participant Id
- Market Participant Role Code

Version	Fast Track CR Deadline	Go-Live
279	22/01/2019	20/02/2019
280	19/02/2019	20/03/2019
282	19/03/2019	17/04/2019
283	23/04/2019	22/05/2019
284	21/05/2019	19/06/2019
285	18/06/2019	17/07/2019
286	23/07/2019	21/08/2019
287	20/08/2019	18/09/2019
288	24/09/2019	23/10/2019
289	22/10/2019	20/11/2019
290	19/11/2019	18/12/2019
291	17/12/2019	22/01/2020

Market Entry process for MOAs



SVA Qualification

Alternative MOA for P375

- Need to consider circumstances of P375
  - Easier access to market
  - Non-traditional technologies
- Traditional MOAs may not understand new technologies
- MOA Qualification is long and detailed
- Supplier hub principles
- Virtual Lead Party to take responsibility?
  - Appoint MOA or Alternate MOA
  - Ensure Meter installation akin to BSC requirements
  - Ensure Metering System is Code of Practice (CoP) 11 compliant
  - Ensure MOA is able to communicate data effectively

Switching of AMSID

Damian Clough

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Switching of VLPs

- Business Requirements gives 5 WD or objection post-switch
- BSCP501 – Supplier Meter Registration Service
  - Table 3.4 – Old supplier informed of end of switch before Supply Start Date (SSD) (also known as Effective From Settlement Date (EFSD))
- BSCP514 – SVA Meter operations for Metering Systems registered in SMRS
  - Table 6.2.5 – Current Supplier has up to 5WD to terminate existing MOA appointment
  - Table 5.2.4 – Concurrent Change of Supplier and HHMOA reflects this
- Master Registration Agreement
  - Objection Raising Period – notification in 15.9 until 1800 on WD +5 @ 1800
    - Para 15.9 – SMRA receives notification of New Supplier and Supply Start Date
  - Para 29.1 – concurs with BSCP514 para 6.2.5

Switching of VLPs

- BSCP602 - SVA Metering System Balancing Services Register
  - Table 2.1- By SSD-5 – Send request to SVAA
  - Within 1WD – inform loosing Party – i.e. loosing Party will know no later than SSD – 4WD
  - Objection window closes at WD +1
- Are we happy with this or, do we want a cooling off period?
  - Unlikely to be needed
  - Need to ensure customers aren't trapped with old VLP
  - Already allows more time than other switching processes (in theory)
    - Has to happen within 21 WD but could be quicker

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Further use of Asset Meters

P375

Damian Clough
31 October 2019

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P375 Further use of Asset Meters

- Solution only allows asset Meters to be used in Secondary BM Units (SBMU's)
- However, asset Meters will be required for:
  - **P379** – Secondary Suppliers will allocate AMSIDs to the their Primary BM Unit's
    - Adjustments will be made to the Primary Suppliers volumes so, will allow ABMU's to use Asset Meters as a BRP but not a BSP; and
    - No solution for the delivery of Delivered Volumes for ABMU's
  - **P383** – Allows for aggregation of demand for Storage sites not required to pay certain charges;
  - **CMP280/CMP281** – Asset Meter will allow complex sites to be included i.e. mix of Generation and Demand;
  - **Flexibility/Wholesale Market** – Desire for BTM assets to trade in Wholesale market. Currently, can only contract with Primary Supplier responsible for Boundary Meter they are behind;
- There will be need for multiple Parties to register asset Meters and assign Agents;
- We will need to take the above into consideration when drafting the legal text and finalising the solution.
  - Cannot incorporate other Modifications solutions but, we can make things generic to allow for future work without blocking them

P376 Update

Current proposed solution

- FPN used in Settlement for a BMU (SBMU or ABMU) will be calculated by SVAA if the Party registers with CRA that they wish their BMU to have a different FPN to what is submitted to NGESO
- To avoid splitting the BMU, solution will allow some Sites to have their FPN's calculated by Baseline Methodology (Baselined FPNs)
  - For remaining sites (MSIDs/AMSIDs) allocated to their BMU, Party can submit a FPN (submitted FPN), with the FPN for the BMU equally (baselined + submitted)
- Baselining can be used for SBMU's which have AMSIDs as their may still be elements of demand and uncertainty behind an Asset Meter
- Similar to P375, we are not progressing a solution for allowing ABMU's to allocate AMSIDs

P379 – Multiple Suppliers

Peter Frampton

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Key dates

- Raised at the 10 January 2019 BSC Panel by New Anglia Energy
- Latest Workgroup was on 24 September 2019
- Impact Assessment scheduled for December 2019
- Assessment Procedure Consultation scheduled for February/March 2020
- Report Phase Consultation scheduled for May 2020
- Modification report scheduled for Ofgem submission June 2020
  - Ofgem decision may be subject to regulatory impact assessment, extending decision timeline
- Estimate 6 months implementation (subject to Impact Assessment)

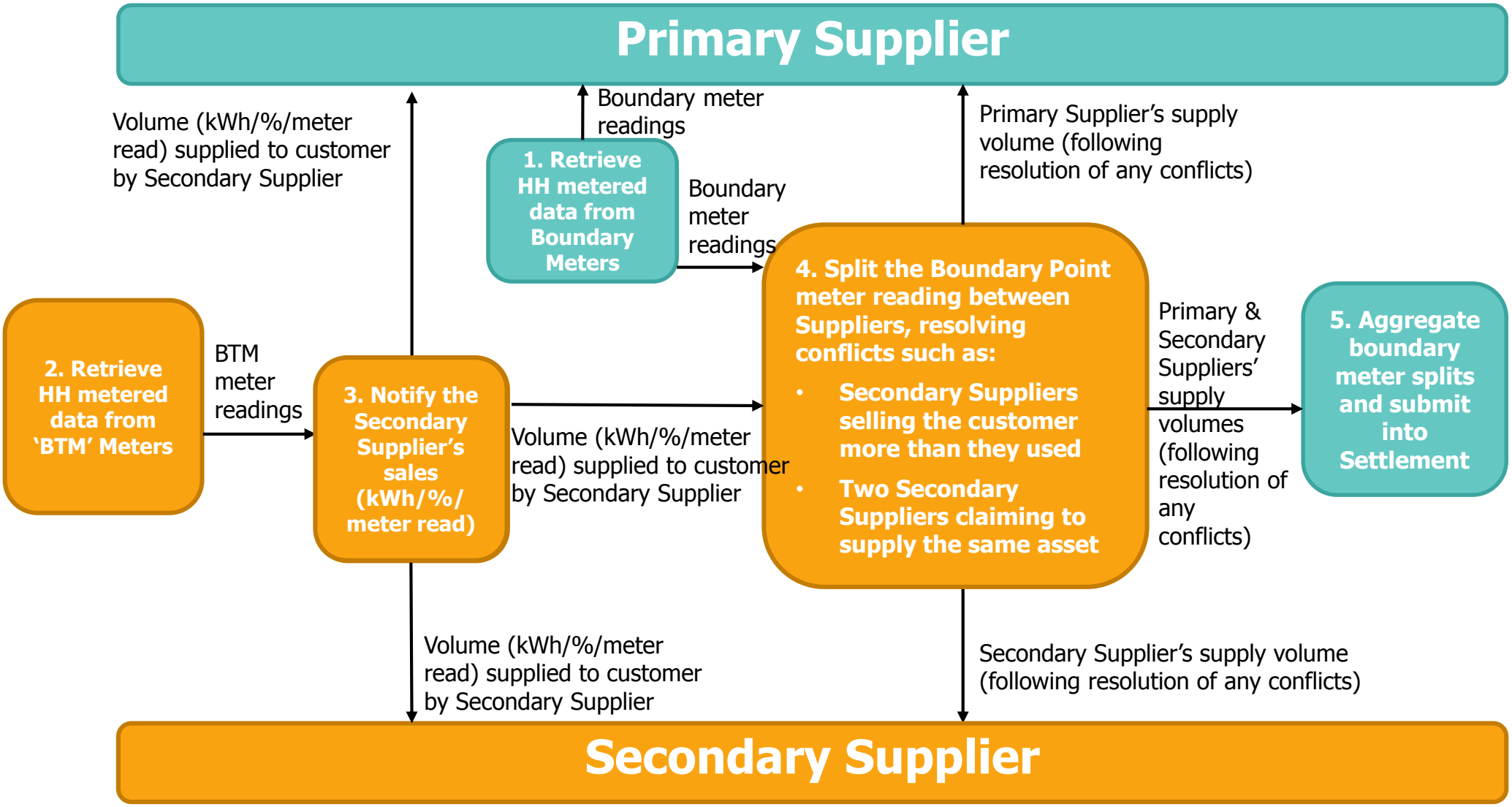
Activity models for multiple supply

- Peter Frampton

Prerequisites to the models

- The models begin from the point that there are volumes to split between Primary and Secondary Suppliers
- All registration activities are complete by this point
  - The customer's Primary Supplier is a BSC Party and is associated in MPAS (per current processes)
  - The Secondary Supplier is a BSC Party and has informed the entity performing splitting calculations that they will be submitting Secondary Supply information
  - The entity performing splitting calculations has obtained access to half hourly meter reading

Who does what?



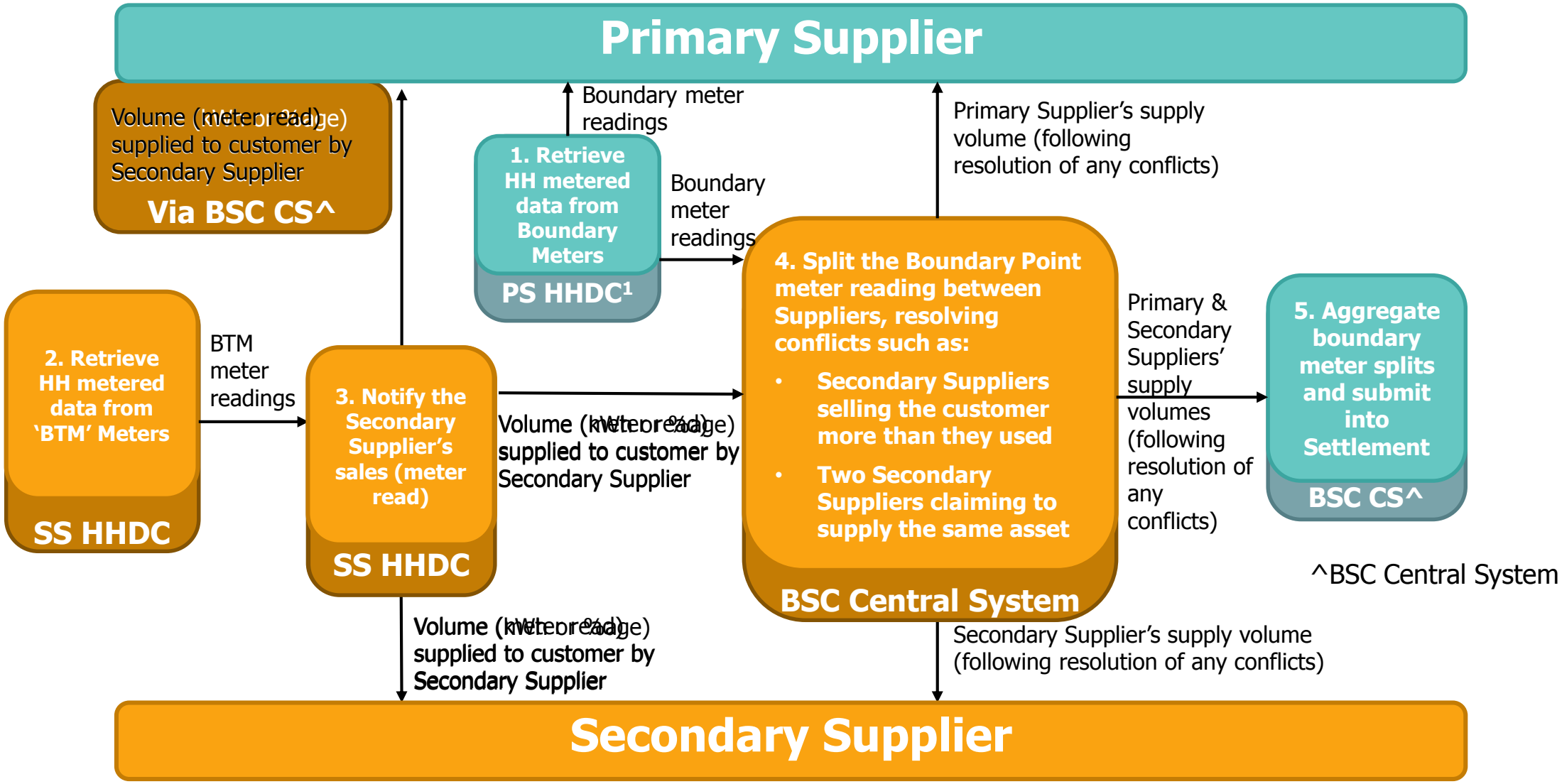
Existing process

New process

Note: LLF and GCF could be applied in process 4 or process 5.

[1]Primary Supplier HHDC here is shorthand for the normal settlement process – whether that be HHDC to HHDA or DCC to Supplier

Who does what? Proposed



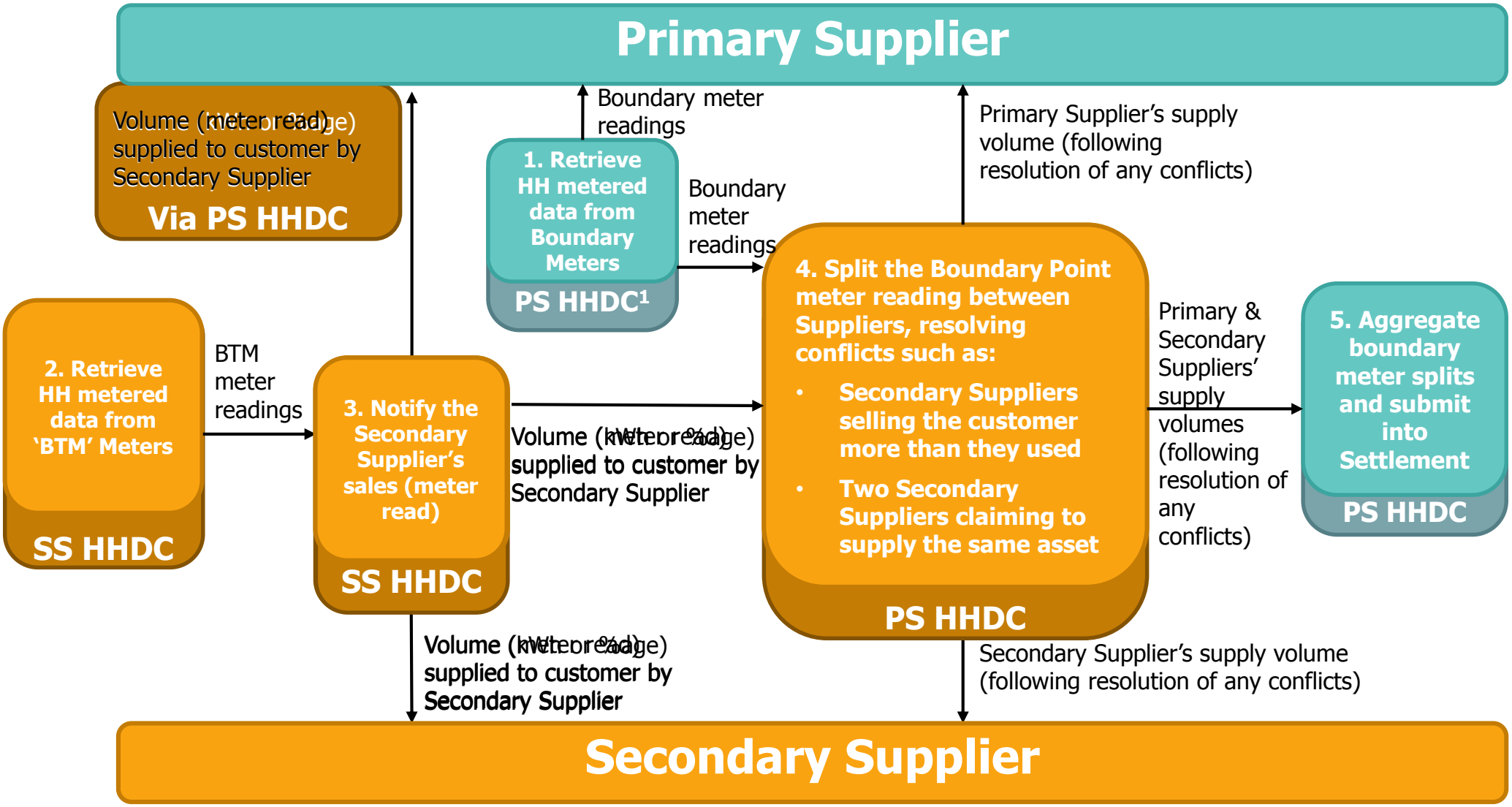
Existing process

New process

Note: LLF and GCF could be applied in process 4 or process 5.

[1]Primary Supplier HHDC here is shorthand for the normal settlement process – whether that be HHDC to HHDA or DCC to Supplier

Who does what? Alternative



Existing process

New process

Note: LLF and GCF could be applied in process 4 or process 5.

[1]Primary Supplier HHDC here is shorthand for the normal settlement process – whether that be HHDC to HHDA or DCC to Supplier

Who is involved?

Entity		Proposed		Alternative	
		Asset	Contract	Asset	Contract
PS HHDC	Read boundary	✓	✓	✓	✓
	Perform calculations	✗	✗	✓	✓
SS HHDC	Read asset	✓	✗	✓	✗
CNA	Determine volumes	✗	✓	✗	✓
BSC Systems	Perform calculations	✓	✓	✗	✗

Regulatory and policy issues

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Regulatory and policy issues

- The workgroup team are maintaining a regulatory and policy log
- This log outlines non-BSC issues which need to be addressed for a P379 solution to operate effectively
- Ofgem and the proposer have committed to addressed any issues within the licences and other codes
- Any issues with legislation will be more difficult to resolve, requiring BEIS involvement
  - This is why, in part, we have dropped explicit inclusion of licence exempt suppliers from the solution.

Specific R&P issues

- Smart Metering
  - Pre-Payment Metering single credit registers, self disconnection
  - In Home Display single rate registers
  - Use of Smart Meters for smart asset control
  - Ensuring accurate MiData records
  - Payment for smart infrastructure
- Network Charging
  - Ensuring networks are charging on correct volumes per Supplier
  - Sharing fixed network costs between Suppliers
- Other industry programmes
  - Faster switching – compatibility/risks with next day switching
  - Price cap – are supplies still capped?
  - Vulnerable customers and consumer protection rules

P379 Next steps

Next steps

- ELEXON are preparing detailed business requirements for Workgroup review in November
- Following workgroup review and signoff of business requirements, ELEXON will draft legal text and prepare documentation for Impact Assessment
- Impact assessment will invite input from industry and ELEXON service providers, to give an idea of costs for several solution options.
- Impact assessment submissions will form the basis of Workgroup discussions to prepare the final legal text and business requirements for Assessment Procedure Consultation

TIME FOR
LUNCH
TIME FOR

Primary BM Units and AMSIDs

Damian Clough

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P375 Further use of Asset Meters

- Current solution only allows asset meters to be used in Secondary BM Units (SBMU's) for Balancing Services
- Defect for Modification refers to VLPs, SBMU's and TERRE/Balancing Services
- If Asset Meters were to be allowed to be registered in Additional BMU's (ABMU's), this will require further work to the solution to be made

- The Lead Party of an ABMU are Suppliers who are responsible for flows and Imbalance (BRP)
- The Lead Party will be charged/paid Imbalance if contracted energy does not match actual metered volumes
    - If Asset Meters are included within ABMU's they will contribute to metered volumes for the ABMU and if contracted volumes do not match they will be charged imbalance
- Therefore if Lead Parties allocate AMSIDs to their ABMU's, continuous adjustments will have to be made to ensure double counting of flows does not place, as Boundary Meter will also measure those flows
- There is no current process for Suppliers to assign Delivered Volumes in a ABMU to the correct MSID if the Primary Supplier for the MSID is not them.

P375 Further use of Asset Meters

- For P375, we therefore do not plan to further a solution to allow asset meters to be included in an ABMU and used for Balancing Services
  - It is outside the scope of the defect of P375
  - There is a route available for that if there is the desire, i.e. become a VLP
- We will make a note in the Workgroup report making this clear,
  - May require further modification to create a solution if there is the desire

Consultation Questions

Chris Wood

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What do we need affirmation of?

- Solution
- Role of alternate MOAs
- Calculations
- Collection of data
- CoP 11
  - Anything missing
  - Right metering standards
  - Future proofed
- Impacts
  - Lead times
  - Costs
  - Positives

Any other business?

Next steps

Chris Wood

ELEXON

Next steps

- Finalise Impact Assessments
- Align Business Requirements
- Draft Legal Text
- Prepare consultation
- Meet before Christmas?
- Consultation Jan 20